

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001521**Date Inspected:** 07-Feb-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 3AW, Miscellaneous metal**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Inspect jointly with ABF and ZPMC QC representatives 90+or- quadrant splice plates, "H" beam splice plates and other miscellaneous base metal surfaces after abrasive blasting. Ambient conditions were monitored within the blast shop, blast profiles were obtained by ABF and ZPMC QC representatives. Numerous base metal defects were observed for repairs and amendment QA and QC representatives marked up for repairs of fabrication defects. Plates that were determined to be free of base metal defects were relocated to the paint shop and Interzinc 22 applied.

OBG 3BW

Caltrans observed de-greasing and water washing operations of base metal surfaces prior to relocation of the segment into the blast shop.

Aforementioned miscellaneous metal and quadrant splice plates previously allocated for base metal repair were once again re-inspected for abrasive blast cleanliness and base metal defects. Plates were observed to have been repaired and SP-10 was achieved and Interzinc 22 application commenced.

Caltrans QA and ABF QA representative observed and inspected in process application of Interzinc 22 on previously abrasive blasted splice plates and "H" beam splice plates. DFT readings were taken by ABF QA representative and verified by Caltrans QA Lumley. DFT range was between 58-120 microns on these faying surfaces. ZPMC personnel were in process of application of Interzinc 52 to the interior surfaces of the bolt holes utilizing daubers.

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

Summary of Conversations:

No relevant conversation noted on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (*58) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
----------------------	--------------	-----------------------------

Reviewed By:	Miller,Mark	QA Reviewer
---------------------	-------------	-------------